VERSION WITH MARKINGS SHOWING CHANGES MADE

IN THE CLAIMS:

Claim 1 has been amended as follows:

1. (once amended) An isolated compound which [binds to a pilus subunit groove thereby inhibiting] inhibits pilus assembly, said compound comprising a mimic of a chaperone G_1 beta-strand or a mimic of an amino terminal motif of a pilus subunit, with at least two alternating hydrophobic amino acid residues or a 10 to 20 residue peptide analog according to formula (I):

(I) Z_1~Z_2-X_1-X_2-X_3-X_4-X_5-X_6-X_7-X_8-X_9-X_{10}-Z_3~Z_4

or a pharmaceutically-acceptable salt thereof, wherein:

Z_1 is R-C(O)-NR- or RRN-;

Z_2 is an optional 1 to 5 residue peptide or peptide analog;

X_1 is any amino acid residue;

X_2 is any amino acid residue;

X_3 is a hydrophobic residue or a hydroxyl-substituted aliphatic residue;

X_4 is any amino acid residue;

X_5 is a hydrophobic residue or Gly;

X_6 is a hydrophobic or a hydrophilic residue;

X_7 is Gly, an amide-substituted polar residue or a hydrophobic residue;

X_8 is any amino acid residue;

X_9 is an aliphatic residue;

X_{10} is any amino acid residue;

Z_3 is an optional 1 to 5 residue peptide or peptide analog;

Z_4 is –C(O)OR or –C(O)NRR;

each R is independently hydrogen, (C_1-C_6) alkyl, (C_2-C_6) alkenyl, (C_2-C_6) alkynyl or (C_6-C_{14}) aryl;

each "–" between residues X_1 through X_{10}, Z_2 and X_1, and X_{10} and Z_3 independently represents an amide linkage, a substituted amide linkage or an isostere of an amide linkage; and

each "~" represents a bond.

Please amend claim 12 as follows:

12. (once amended) The compound of claim 1 which is a 10-20 residue peptide or peptide analog according to formula (I):

(I) Z_1~Z_2-X_1-X_2-X_3-X_4-X_5-X_6-X_7-X_8-X_9-X_{10}-Z_3~Z_4

or a pharmaceutically-acceptable salt thereof, wherein:

Z_1 is R-C(O)-NR- or RRN-;

Z_2 is an optional 1 to 5 residue peptide or peptide analog;

X_1 is any amino acid residue;

X_2 is any amino acid residue;

X_3 is a hydrophobic residue or a hydroxyl-substituted aliphatic residue;

X_4 is any amino acid residue;

X_5 is a hydrophobic residue or Gly;

X_6 is a hydrophobic or a hydrophilic residue;

X_7 is Gly, an amide-substituted polar residue or a hydrophobic residue;

X_8 is any amino acid residue;

X_9 is an aliphatic residue;

X_{10} is any amino acid residue;

Z_3 is an optional 1 to 5 residue peptide or peptide analog;

Z_4 is –C(O)OR or –C(O)NRR;

each R is independently hydrogen, (C_1-C_6) alkyl, (C_2-C_6) alkenyl, (C_2-C_6) alkynyl or (C_6-C_{14}) aryl;

each "–" between residues X_1 through X_{10}, Z_2 and X_1 and X_{10} and Z_3 independently represents an amide linkage, a substituted amide linkage or an isostere of an amide [likage] linkage; and

each "~" represents a bond.

CONCLUSION

In light of the foregoing corrected amendments, Applicants respectfully request favorable reconsideration of the claims and withdrawal of the pending rejections.

The Commissioner is hereby authorized to charge to Deposit Account No. 19-1345 any fees under 37 C.F.R. 1.16 and 1.17 which may be required during the entire pendency of this application.

Also, should the Examiner have any remaining questions with regard to the subject invention or its patentability, Applicants invite the Examiner to contact the undersigned to answer such questions or to provide additional information.

Respectfully submitted,

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